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APPLICANT: YOKOGAWA ELECTRIC CORP;

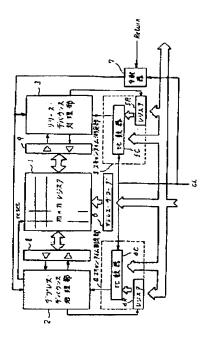
INVENTOR: FUKAWA MASAHIKO;

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TITLE

KEYBOARD CONTROLLER



ABSTRACT: PURPOSE: To increase the number of keys to be accepted to simplify the control system by confirming a depressed key to set '1' in a corresponding position of an m×n register and confirming a released key to set '0' to a corresponding position of the m×n register and referring to this m×n register to realize the roll over function.

> CONSTITUTION: This controller consists of an m×n register 1, a depress debounce processing part 2, a release debounce processing part 3, scan time measuring parts 4 and 5, an address decoder 6, a distributor 7, and transmission/ reception parts 8 and 9. '1' is always set to the address corresponding to a depressed key in the m×n register 1, and '0' is always set to the address corresponding to a released key, and the key roll over function is realized on the m×n register 1. Thus, depression information is held on the m×n register 1 though plural keys are simultaneously depressed, and the number of keys to be accepted is not limited.

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